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Graphic Conventions

The following graphic conventions are in use throughout this Guide:

*italics* represent command variables.

*indicate the default setting for an option.

**UpperCase Letters** represent letters which must be typed in order for the command to be unambiguously understood by the software.

(P) indicates that the user must be at a privileged port to use this command.

(N) indicates that the command is available for use by non-privileged users.

(S) indicates that the command is available for use by secure users.

[] indicate that the text is a command option or variable.

**shaded text** indicates that the command or option is related to operation with Telnet protocols.
Introduction

This *Commands Reference Guide* shows the command syntax for all commands supported by the Xyplex LAT-TCP/IP software. These commands are organized by function, as follows:

1. Session Management Commands
2. Terminal Server Setup and Management Commands
3. Service Management Commands
4. Information Display Commands
5. Maintenance Commands
6. Miscellaneous Commands
7. Command-Line Editing
1. Session Management Commands

(S) Backwards

(S) Connect[[SERVice] service-name] [NODE node-name] [DEStination port-number]
   [domain-name[:telnet-port-number]]
   [internet-address[:telnet-port-number]]

(P) Connect[POrt port-number] service-name [NODE node-name] [DEStination port-number]
   [domain-name[:telnet-port-number]]
   [internet-address[:telnet-port-number]]

(S) DISconnect [Session [session-number]]
   [ALL]

(P) DISconnect [POrt] [port-number]

(S) Forwards
(S) LAat Connect [[SERVice] service-name] [NODE node-name] [DESTination port-number]

(P) LAat Connect [PORT port-number] service-name [NODE node-name] [DESTination port-number]

(S) LOGout [Port]

(P) LOGout Port port-list

(S) LOck

(S) Resume [[SESSION session-number]]

(S) TELnet Connect [domain-name[:telnet-port-number]]
    [internet-address[:telnet-port-number]]

(P) TELnet Connect [PORT port-number] [domain-name[:telnet-port-number]]
    [internet-address[:telnet-port-number]]
2. Terminal Server Setup and Management Commands

The basic syntax for the DEFINE PORT and SET PORT commands is:

```
[DEfine] Port [port-list] [characteristic] [characteristic(s)]
[SEt] [ALL]
```

The following list summarizes the port characteristics which can be defined:

(P) [ACcess] [Dynamic]
     [LOCAL]*
     [NONE]
     [Remote]

(P) [AUTHorized groups] [group-list] [Disabled]
     [Enabled]
     [ALL] [Disabled]
     [Enabled]
(P) [AUTOBaud] [Disabled]
    [Enabled]*

(N) [AUTOConnect] [Disabled]*
    [Enabled]

(S) [AUTOPrompt] [Disabled]
    [Enabled]*

(S) [BAckward switch] [character]
    [NONE]*

(N) [BREak] [Disabled]
    [Local]*
    [Remote]

(N) [BROadcast] [Disabled]
    [Enabled]*
(P) [DTrwait][Disabled]*
      [Enabled]
      [FORConnection]
      [FORRIng]

(N) [Flow control][CTs]
       [DIssabled]
       [DSr]
       [Enabled]
       [Xon]*

(S) [FOrward switch] [character]
     [NONe]*

(N) [Groups] [group-list]
     [ALL]
     [Disabled]
     [Enabled]
(P) [INAitivity Logout] [Disabled]*
   [Enabled]

(N) [INPut Flow control] [Disabled]
   [Enabled]*

(P) [INTerrupts] [Disabled]*
   [Enabled]

(P) [LAT Dedicated service] [service-name] [NODe][node-name] [DEStination] [port-number]
   [NONE]* [DEStination] [port-number]
   [NONE]* [DEStination] [port-number]
   [NONE]* [DEStination] [port-number]

8
<table>
<thead>
<tr>
<th>Option</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT Preferred service</td>
<td>[service-name]</td>
</tr>
<tr>
<td>NODE node-name</td>
<td>[DEStination]</td>
</tr>
<tr>
<td>port-number</td>
<td>[NORe]*</td>
</tr>
<tr>
<td>LOCAL SWitch</td>
<td>[character]</td>
</tr>
<tr>
<td>NORe*</td>
<td>[DESTination]</td>
</tr>
<tr>
<td>port-number</td>
<td>[NORe]*</td>
</tr>
<tr>
<td>LOSs Notification</td>
<td>[Disabled]</td>
</tr>
<tr>
<td>NORe*</td>
<td>[DESTination]</td>
</tr>
<tr>
<td>port-number</td>
<td>[NORe]*</td>
</tr>
<tr>
<td>MEssage codes</td>
<td>[Disabled]</td>
</tr>
<tr>
<td>NORe*</td>
<td>[DESTination]</td>
</tr>
<tr>
<td>port-number</td>
<td>[NORe]*</td>
</tr>
</tbody>
</table>
(P) [MODem control] [Disabled]*
    [Enabled]

(P) [NAme] [port-name]

(N) [PARity] [Even]
    [NONE]*
    [Odd]

(P) [PASsword][Disabled]*
    [Enabled]

(N) [PAUse] [Disabled]*
    [Enabled]
(P) [PREFerred service] [service-name] [NODE][node-name] [DESTination] [port-number]
[NONe]* [DESTination] [port-number]*
[NONe]* [NODE][node-name] [DESTination] [port-number]
[NONe]* [DESTination] [port-number]

[domain-name[:telnet-port-number]]
[internet-address[:telnet-port-number]]

(P) [Prompt] ["prompt-string"]

(P) [QUeuing] [Disabled]*
[Enabled]

(P) [REsolve service] [Any]*
[Lat]
[Telnet]
(P) [SECurity] [Disabled]*
    [Enabled]

(P) [SESSion limit] [session-limit]
    [None]

(N) [SPeed] [speed]

(S) [TELnet ABort output] [character]
    [NONE]*

(S) [TELnet ATtention] [character]
    [NONE]*

(P) [TELnet DE Diedicated service] [domain-name:[telnet-port-number]]
    [internet-address:[telnet-port-number]]

(N) [TELnet DE Fault port] [telnet-port-number]
(N) [TELnet ECho mode] [LOCAL]
[Remote]

(S) [TELnet ERase CHAracter] [character]
[NONE]*

(S) [TELnet ERase LIne] [character]
[NONE]*

(S) [TELnet INterrupt] [character]
[NONE]*

(S) [TELnet NEwline] [CR/NULl]
[CR/LF]

(N) [TELnet OPtion display] [Disabled]
[Enabled]

(P) [TELnet PReferred service] [domain-name[:telnet-port-number]]
[internet-address[:telnet-port-number]]
<table>
<thead>
<tr>
<th>(S)</th>
<th>(S)</th>
<th>(N)</th>
<th>(N)</th>
<th>(N)</th>
<th>(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[TELnet QUERY] [character] [NONE]*</td>
<td>[TELnet SYNchronize] [character] [NONE]*</td>
<td>[TELnet TRANsmit] [Buffered] [Immediate]*</td>
<td>[TYPE] [ANSi] [HArdcopy] [SOftcopy]*</td>
<td>[TYPEAhead size] [size]</td>
<td>[USERname] [name]</td>
</tr>
</tbody>
</table>
All DEFINE SERVER and SET SERVER commands require that the user be logged on to a privileged terminal. The basic syntax for the DEFINE SERVER and SET SERVER commands is:

[DEFINE] SERVER [characteristic] [characteristic(s)]
[SET]

The following list summarizes the server characteristics which can be defined:

[ANNouncements] [Disabled]
[Enabled]*

[BROADCAST] [Disabled]
[Enabled]*

[CIRCUIT timer] [timer-value]

[DATE] [dd mmm yyyy]
[DUmp] [Disabled]
[Enabled]*

[Identification] [message-string]

[ INA ctivity timer] [time]

[INTERNet ADdress] [internet-address]

[INTERNet BROadcast address] [internet-address]

[INTERNet DE Fault domain suffix] [domain-name]

[INTERNet [PRImary] DOMain address] [internet-address]
[SECondary]

[INTERNet [PRImary] GATeway address] [internet-address]
[SECondary]

[INTERNet SUBnet mask] [internet-address-mask]
[Keepalive timer]  [timer-value]

[LOCK]  [Disabled]
[Enabled]*

[LOGin]  [PASsword password]
[PRompt prompt]

[MAintenance password]  [password-number]

[MUlticast timer]  [time]

[NAme]  [server-name]

[NODE limit]  [limit]
[NONE]

[NUmber]  [server-number]
[PARameter Server]  [CHeck][Enabled]*
   [Disabled]
   [Timer] [timer-value]

   [Limit] [number]

   [Retransmit] [Limit limit]
   [Timer number]

[PA斯word Limit] [limit]
   [None]

[PRIPvileged password] [password]
   [NONE]
[Queue limit] [queue-limit] [None]

[RETransmit limit] [limit]

[SERVice groups] [group-list] [Disabled] [Enabled]

[ALL] [Disabled] [Enabled]

[SESSsion limit] [limit] [None]

[SOftware] [filename]

[TIME] [hh:mm:ss]

[Welcome] ["message"]
All DEFINE SERVICE and SET SERVICE commands require that the user be logged on to a privileged terminal. The basic syntax for the DEFINE SERVICE and SET SERVICE commands is:

```
[DEfine]       SERVICE [service-name]  [characteristic(s)]
[SET]
```

The following list summarizes the service characteristics which can be defined:

```
[CONnections]  [Disabled]
               [Enabled]

[IDentification]  [identification-string]

[PASSword]  [password]

[PORts]  [port-list]  [Disabled]*
        [Enabled]
[ALL]  [Disabled]*
        [Enabled]
```
[Queue] [Disabled]
[Enabled]*

The following miscellaneous SET commands require the user to be logged on to a privileged terminal.

SET Parameter Server NODE node-name [ADDress ethernet-address]

SET SESsion [Interactive]*
[PASSall]
[PASThru]

SET [PRlvileged]
[NOPrivileged]*
3. Service Management Commands

CLEar [SERVice] [service-name]
    [LOCal]

Purge Service [service-name]
    [LOCal]

REMOVe Queue [ENTRY entry-number]
    [NODE node-name]
    [SERVice service-name]
    [ALL]
4. Information Display Commands

**LIst**  [POrts]  **[port-list]**  [CHaracteristics]

**SHow**

**Monitor**

**[ALL]**  [CHaracteristics]

**[COunters]**

**[STatus]**

**[SUmmary]**

**[ALternate CHaracteristics]**

**[ACcess]**  [DYnamic]  [CHaracteristics]

**[COunters]**

**[LOCal]**  [STatus]

**[REmote]**  [SUmmary]

**[NONE]**  **[ALternate CHaracteristics]**
LIst [SERVER] [CHARacteristics]
SHow [COunters]
Monitor [STatus]
[SUMmary]
[ALTernate Status]
[INTERNet]

LIst [SERVICE] [service-name] [CHARacteristics]
SHow [STatus]
Monitor [SUMmary]
[LOCAL]
[CHARacteristics]
[STatus]
[SUMmary]
[ALL]
[CHARacteristics]
[STatus]
[SUMmary]
Monitor NODES [node-name] [CCounters]
SHow [SStatus]
 [SUMmary]
 [ALL] [CCounters]
 [SStatus]
 [SUMmary]

Monitor [PArameter Servers]
SHow

Monitor QUueue [ALL]
SHow [ENtry entry-number]
 [NODE node-name]
 [PORT port-number]
 [SERVice service-name]
Monitor SESSion [POrt port-list]
SHow [ALL]

Monitor Users
SHOw

Zero [Counters] [NODE node-name]
[POrt port-list]
[ALL]
5. Maintenance Commands

CHECK Parameter Server

CLEAR [Parameter Server node-name]

CRASH

INITIALIZE [Server] [Delay] [delay-time]

[Cancel]

REMOTE Console [NODE node-name] [MAintenance] [PASword password]

[ethernet-address] [MAintenance] [PASword password]
Test [Loop][Ethernet-address-t] [Help Full Assistant] [Ethernet-address-a]
[Help Receive Assistant] [Ethernet-address-a]
[Help Transmit Assistant] [Ethernet-address-a]

[Port] [port-number] [Count n] [Width n] [Loopback] [External]
[Internal]

[Service] [service-name] [NODE node-name] [Count n] [Width n] [Loopback] [External]
[Internal]
6. Miscellaneous Commands

BRoadcast  [POrT \textit{port-list}]  [\textit{message}]
            [ALL]  [\textit{message}]

Help[INTroduction]  
            [\textit{topic(s)}]
## 7. Command Line Editing Features

<table>
<thead>
<tr>
<th>Command/Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>&lt;Return&gt;</code></td>
<td>Terminate the current command line, and execute a command.</td>
</tr>
<tr>
<td><code>&lt;CTRL&gt;/A</code></td>
<td>Alternate between the insert character and overstrike character modes of operation.</td>
</tr>
<tr>
<td><code>&lt;CTRL&gt;/B</code> or up-arrow key</td>
<td>Recall the previous command.</td>
</tr>
<tr>
<td><code>&lt;CTRL&gt;/D</code> or left-arrow key</td>
<td>Move the cursor one position to the left.</td>
</tr>
<tr>
<td><code>&lt;CTRL&gt;/E</code></td>
<td>Place the cursor at the end of the current command line.</td>
</tr>
<tr>
<td><code>&lt;CTRL&gt;/F</code> or right-arrow key</td>
<td>Move the cursor one position to the right.</td>
</tr>
</tbody>
</table>
<CTRL>/<H> Place the cursor at the beginning of the current command line.

<CTRL>/<N> or down-arrow key Recall the next command in the command history.

<CTRL>/<R> Re-display the current command line.

<CTRL>/<U> Delete everything on the current command line, from the cursor position to the beginning of the line.

<CTRL>/<V> Quote the next character.

<CTRL>/<X> Delete the current command line.

<CTRL>/<Z> Cancel an interactive operation (such as changing a password), or delete the current command line.

<Delete> Delete the character to the left of the cursor.